

APPENDIX E. EXAMPLES OF SEA-LEVEL RISE PREPARATION FROM OTHER STATE AGENCIES

Many state agencies have developed, or are in the process of developing guidance on suggested actions to prepare for sea-level rise relevant to their organization. Some of these guidance documents are described below in [Table 28](#). The table includes a brief description of the documents and the sea-level rise projections used.

Table 28. California State Agency Sea-Level Rise Policy Guidance Documents

Agency	Name and date of document	Description
California Natural Resources Agency	Safeguarding California from Climate Change: update to 2009 Climate Adaptation Strategy	The California Natural Resources Agency, in coordination with other state agencies, is in the process of updating the 2009 Climate Adaptation Strategy. This update will augment previously identified strategies in light of advances in climate science and risk management options. The update is planned for release to the public as a draft for comment by the end of 2013. For more information, visit: http://www.climatechange.ca.gov/adaptation/strategy/index.html
Coasts & Oceans Climate Action Team (led by Ocean Protection Council)	California State Sea-Level Rise Guidance Document (2013)	Provides guidance for incorporating sea-level rise projections into planning and decision making for projects in California. Updated to include NRC projections March 2013. Available: http://www.opc.ca.gov/webmaster/ftp/pdf/docs/2013_SLR_Guidance_Update_FINAL1.pdf
California Coastal Conservancy	Climate Change Policy (2010)	Includes policies on 1) Consideration of climate change in project evaluation 2) Consideration of sea-level rise impacts in vulnerability assessments, 3) Collaboration to support adaptation strategies, 4) Encouragement of adaptation strategies in project applications mitigation and adaptation. Available: http://scc.ca.gov/2009/01/21/coastal-conservancy-climate-change-policy-and-project-selection-criteria/
	Project Selection Criteria (2011)	Adds sea-level rise vulnerability to project selection criteria. Criteria available: http://scc.ca.gov/2009/01/21/coastal-conservancy-climate-change-policy-and-project-selection-criteria/

	Guidance for addressing climate change in CA Coastal Conservancy projects (2012)	Includes the following steps: 1) Conduct initial vulnerability assessment, 2) Conduct more comprehensive vulnerability assessment, 3) Reduce risks and increase adaptive capacity, and 4) Identify adaptation options. Available: http://scc.ca.gov/2013/04/24/guidance-for-grantees
San Francisco Bay Conservation and Development Commission (BCDC)	Climate Change Bay Plan Amendment (2011)	Amends Bay Plan to include policies on climate change and sea-level rise. Policies require 1) a sea-level rise risk assessment for shoreline planning and larger shoreline projects. 2) If risks exist, the project must be designed to cope with flood levels by mid-century, and a plan to address flood risks at end of century. Assessments are required to “identify all types of potential flooding, degrees of uncertainty, consequences of defense failure, and risks to existing habitat from proposed flood protection devices.” Available: http://www.bcdc.ca.gov/proposed_bay_plan/bp_amend_1-08.shtml
	“Living with a Rising Bay: Vulnerability and Adaptation in San Francisco Bay and on its Shoreline” (2009)	Provides the background staff report identifying vulnerabilities in the Bay Area’s economic and environmental systems, as well as the potential impacts of climate change on public health and safety. The report provides the basis for all versions of the proposed findings and policies concerning climate change. Available: http://www.bcdc.ca.gov/BPA/LivingWithRisingBay.pdf
California Department of Transportation (CalTrans)	CalTrans Climate Change Adaptation Hot Spot Map (in development)	Goal is to create a GIS-based assessment of transportation infrastructure vulnerabilities using available data and studies and to identify critical transportation hotspots (areas of increased vulnerability due to population, travel, or climate effects). This research will also result in the development of a climate vulnerability plan that will assess the level and type of transportation infrastructure vulnerability, the adaptation options and strategies, and a framework for prioritizing implementation efforts (in development). More information available: http://www.dot.ca.gov/hq/tpp/offices/orip/climate_change/projects_and_studies.shtml

	Guidance on Incorporating Sea Level Rise (2011)	Provides guidance on how to incorporate sea-level rise concerns into programming and design of CalTrans projects. Includes screening criteria for determining whether to include SLR and steps for evaluating degree of potential impacts, developing adaptation alternatives, and implementing the adaptation strategies. Available: http://www.dot.ca.gov/ser/downloads/sealevel/guide_incorp_slr.pdf
	Addressing Climate Change in Regional Transportation Plans: A Guide for MPOs and RTPAs (2010)	Provides a clear methodology for regional agencies to address climate change impacts through adaptation of transportation infrastructure. Available: http://www.dot.ca.gov/hq/tpp/offices/orip/climate_change/documents/FR3_CA_Climate_Change_Adaptation_Guide_2013-02-26_.pdf#zoom=65
State Lands Commission	Application for Lease of State Lands (2011)	Requires assessment of climate change risks, and preference is given to projects that reduce climate change risks. Available: http://www.slc.ca.gov/Online_Forms/LMDApplication/Lease_App_Form_2011.pdf
California State Parks	Sea-level rise guidance (in development)	Will provide guidance to Park staff on how to assess impacts to parklands.